

Abstracts of the 2005 Florida Entomological Society Annual Meeting Presentations
88th Annual Meeting of the Florida Entomological Society
Ft. Myers, FL
July 24-27, 2005

<http://www.flaentsoc.org/2005annmeetabstracts.pdf>

43. Food quality and reproductive fitness of the predator *Podisus maculiventris*.

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To determine the nutritional value of prey to adult female *Podisus maculiventris* in terms of biochemical effects, and to further define food quality, fresh weights and contents of lipid, total soluble protein, and yolk protein were compared over periods of 7, 15, and 22 days in response to feeding on each of five prey species. Total lipid content was the most significant parameter in relation to time, species of prey, and reproduction in the predator.